

L Number	Hits	Search Text	DB	Time stamp
1	1	("4194422").PN.	USPAT	2003/06/27 16:50
2	92638	mandrel	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/27 16:52
4	0	rounding adj mandril	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/27 16:53
3	47833	(mandrel or mandril) and (round\$ or shap\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/27 17:01
5	1472	mandril	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/27 16:56
6	9223	(mandrel or mandril) and (round\$ or shap\$) and pipe	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/27 16:58
8	871	(82/\$.ccls. or 83/\$.ccls. or 30/\$.ccls. or 408/\$.ccls.) and (mandrel or mandril) and (round\$ or shap\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/27 17:18
9	182	(82/\$.ccls. or 83/\$.ccls. or 30/\$.ccls. or 408/\$.ccls.) and (mandrel or mandril) and (round\$ or shap\$) and (pipe)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/27 17:19
-	27	30/\$.ccls. and straw	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/04 16:05
-	30	30/\$.ccls. and straw	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/03 16:32
-	42	30/\$.ccls. and straw	USOCR	2003/06/03 16:32
-	576	(82/101,70.2,78,83).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/04 16:07
-	434	(30/90.1).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/04 16:09
-	1379	(82/\$.ccls. or 30/\$.ccls. or 83/\$.ccls. or 7/\$.ccls.) and spiral	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/04 16:11
-	1021	(82/\$.ccls. or 30/\$.ccls. or 83/\$.ccls. or 7/\$.ccls.) and spiral and cut\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/04 16:15
-	0	(82/\$.ccls. or 30/\$.ccls. or 83/\$.ccls. or 7/\$.ccls.) and spiral and cut\$ and hallow	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/04 16:16
-	254	(82/\$.ccls. or 30/\$.ccls. or 83/\$.ccls. or 7/\$.ccls.) and spiral and cut\$ and hollow	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/04 16:36
-	254	(82/\$.ccls. or 30/\$.ccls. or 83/\$.ccls. or 7/\$.ccls.) and spiral and cut\$ and hollow	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/04 16:17
-	369	(82/\$.ccls. or 30/\$.ccls. or 83/\$.ccls. or 7/\$.ccls.) and spiral and cut\$ and hollow	USOCR	2003/06/04 16:45

-	5	rounding adj mandrel	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/27 16:53
-	1	("6098290").PN.	USPAT	2003/06/26 15:21
-	5185	(wire or cable) and (helical or spiral) and cut\$ and blade	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/26 15:27
-	400	(82/\$.ccls. or 83/\$.ccls. or 30/\$.ccls. or 408/\$.ccls.) and (wire or cable) and (helical or spiral) and cut\$ and blade	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/26 16:10
-	3	("4689882"   "5042337"   "5632088").PN.	USPAT	2003/06/26 15:32
-	0	6108910.URPN.	USPAT	2003/06/26 15:33
-	370	(82/\$.ccls. or 83/\$.ccls. or 30/\$.ccls. or 408/\$.ccls.) and (wire or cable) and (helical or spiral) and cut\$ and blade	USOCR	2003/06/26 16:13
-	11	(82/\$.ccls. or 83/\$.ccls. or 30/\$.ccls. or 408/\$.ccls.) and (straw) and (helical or spiral) and cut\$ and blade	USOCR	2003/06/26 16:13
-	10	(82/\$.ccls. or 83/\$.ccls. or 30/\$.ccls. or 408/\$.ccls.) and (straw) and (helical or spiral) and cut\$ and blade	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/26 16:13